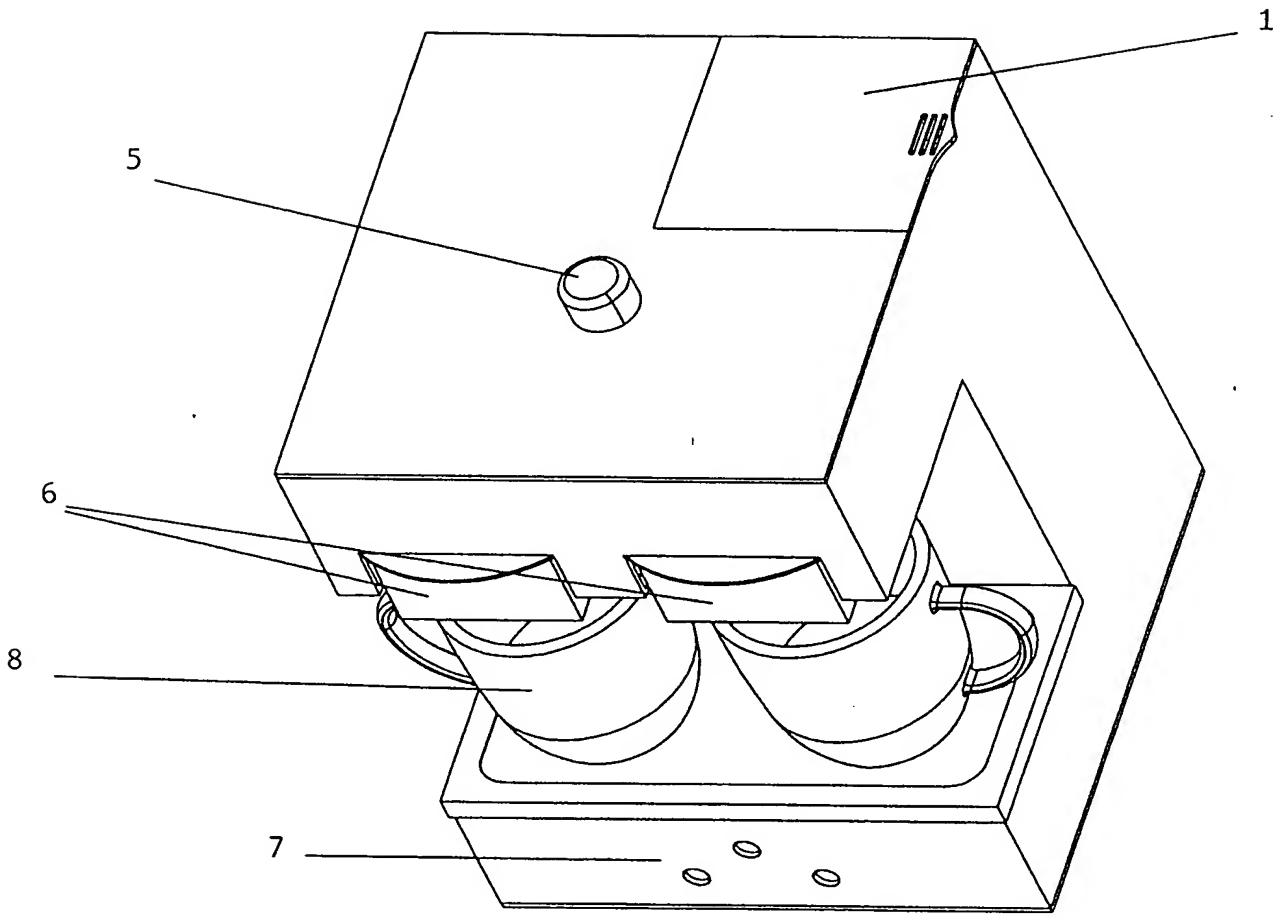


FIGURE 1

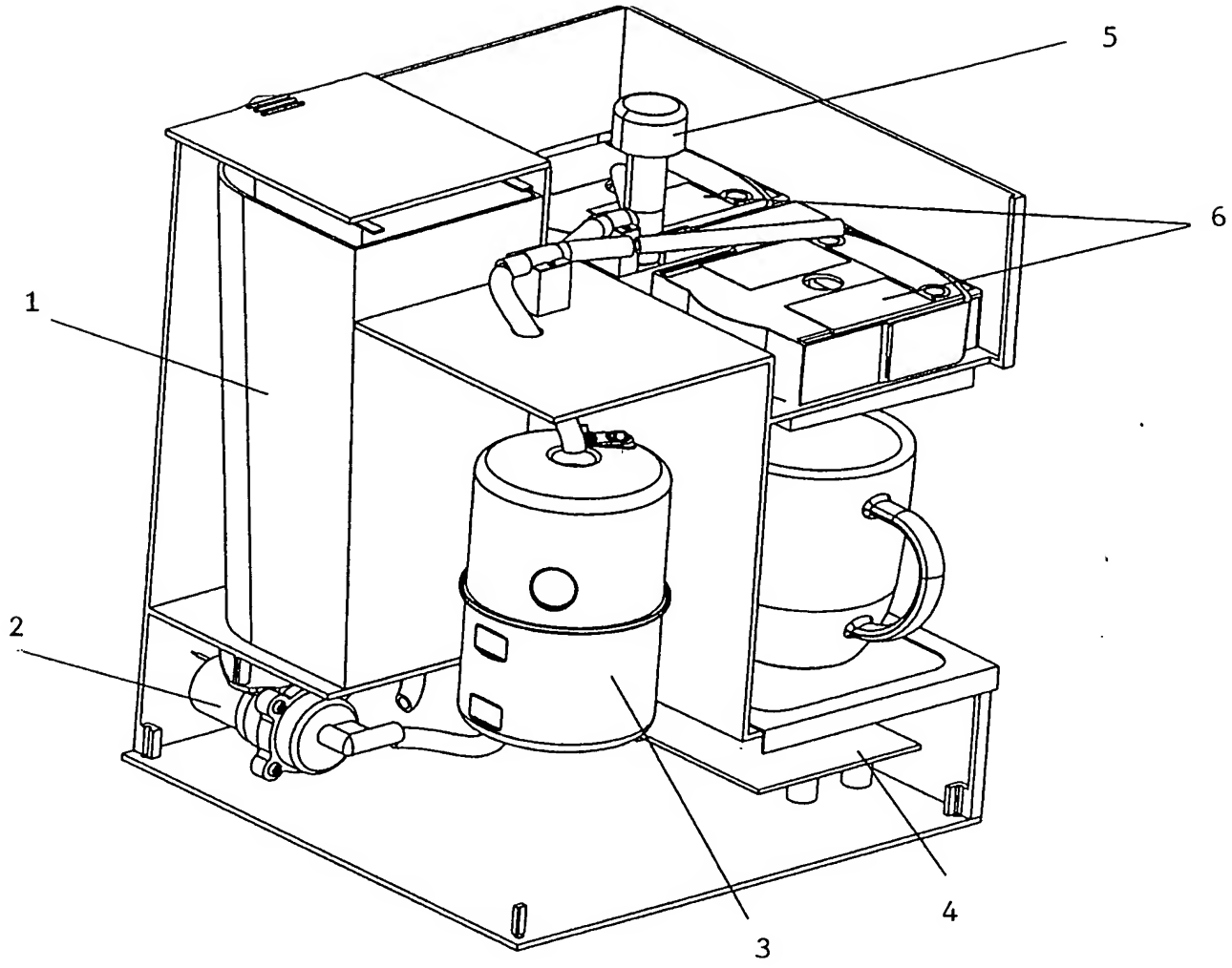
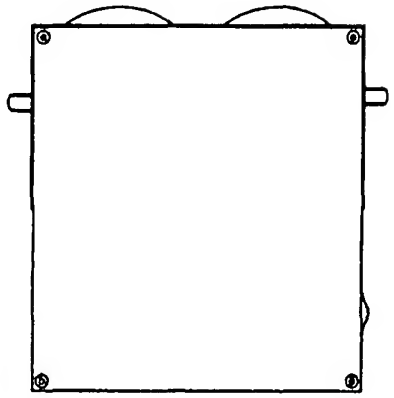
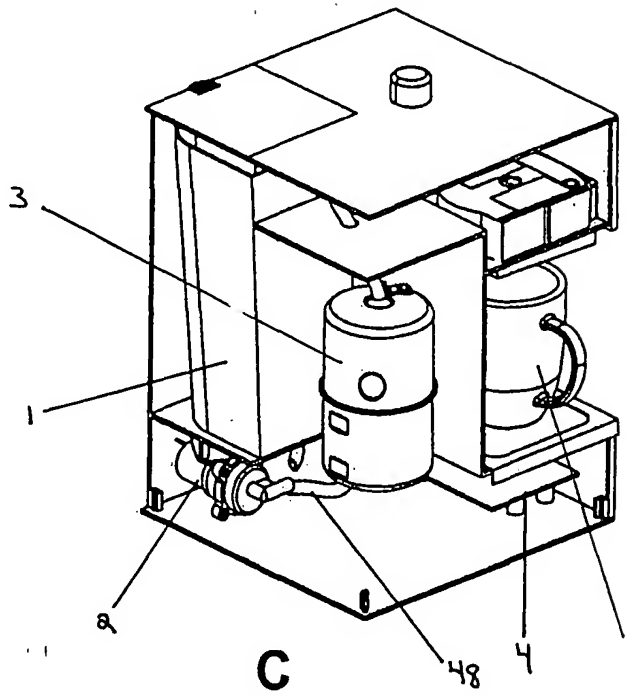


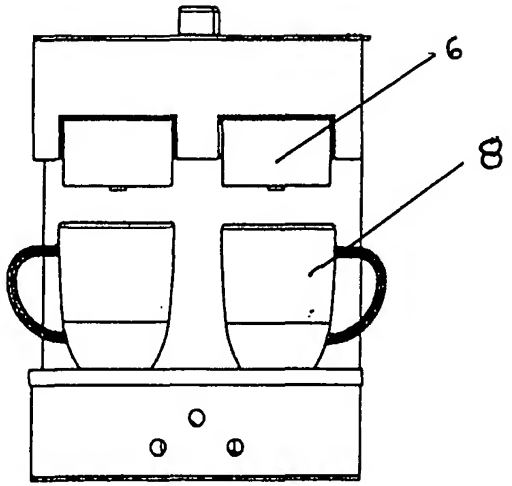
FIGURE 2



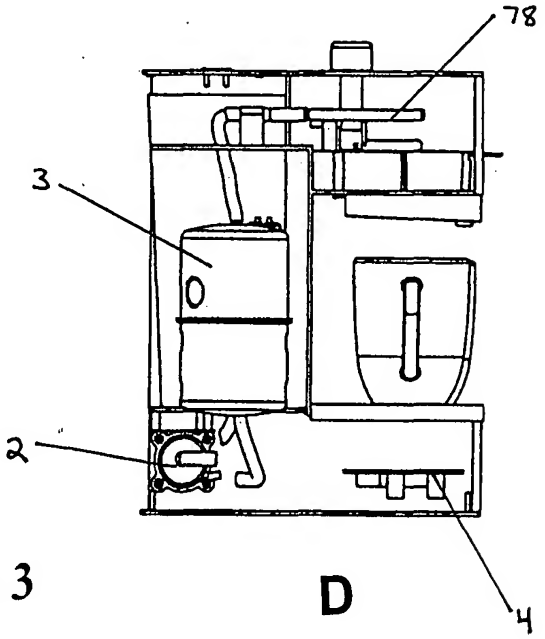
A



C



B



D

FIGURE 3

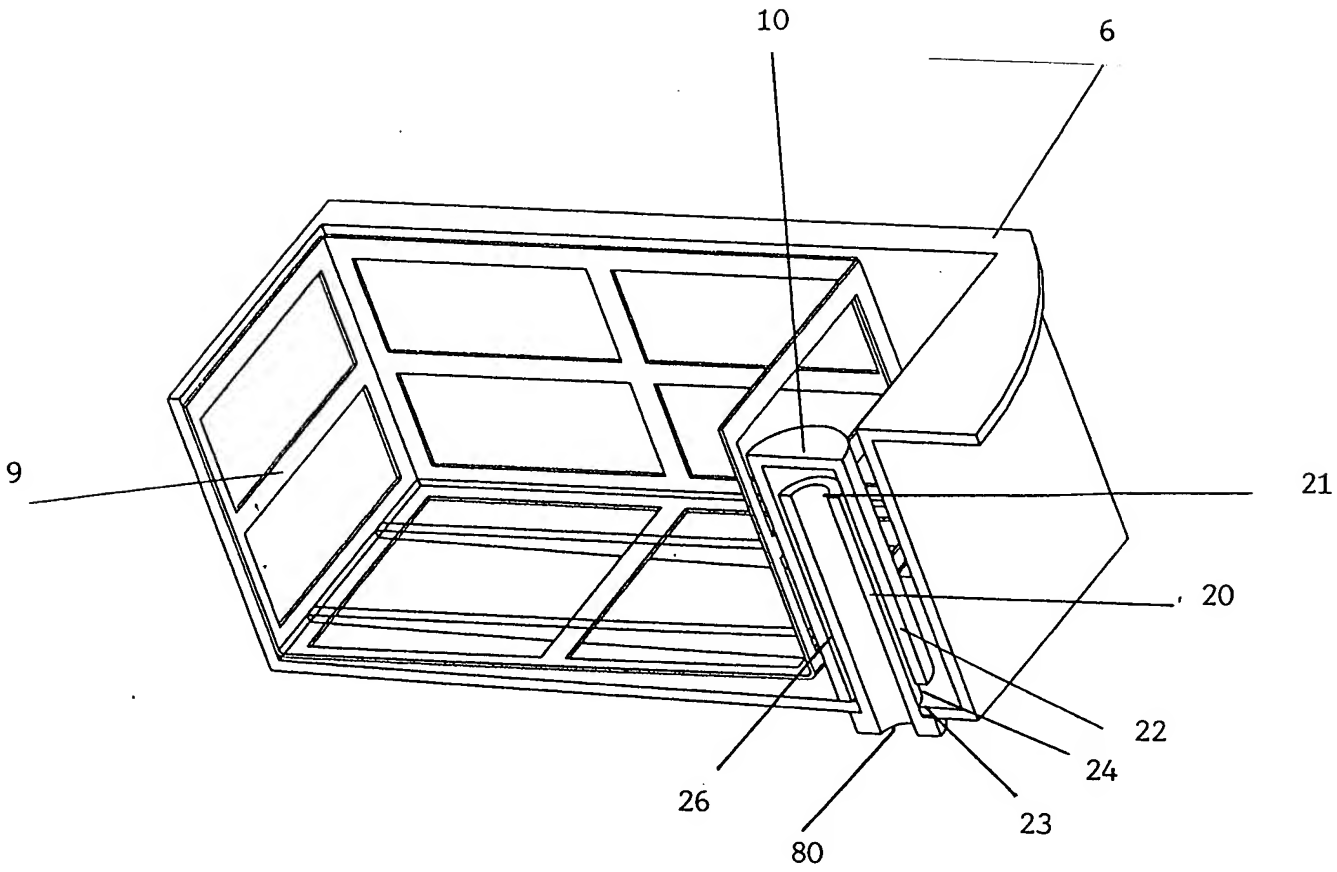


FIGURE 4

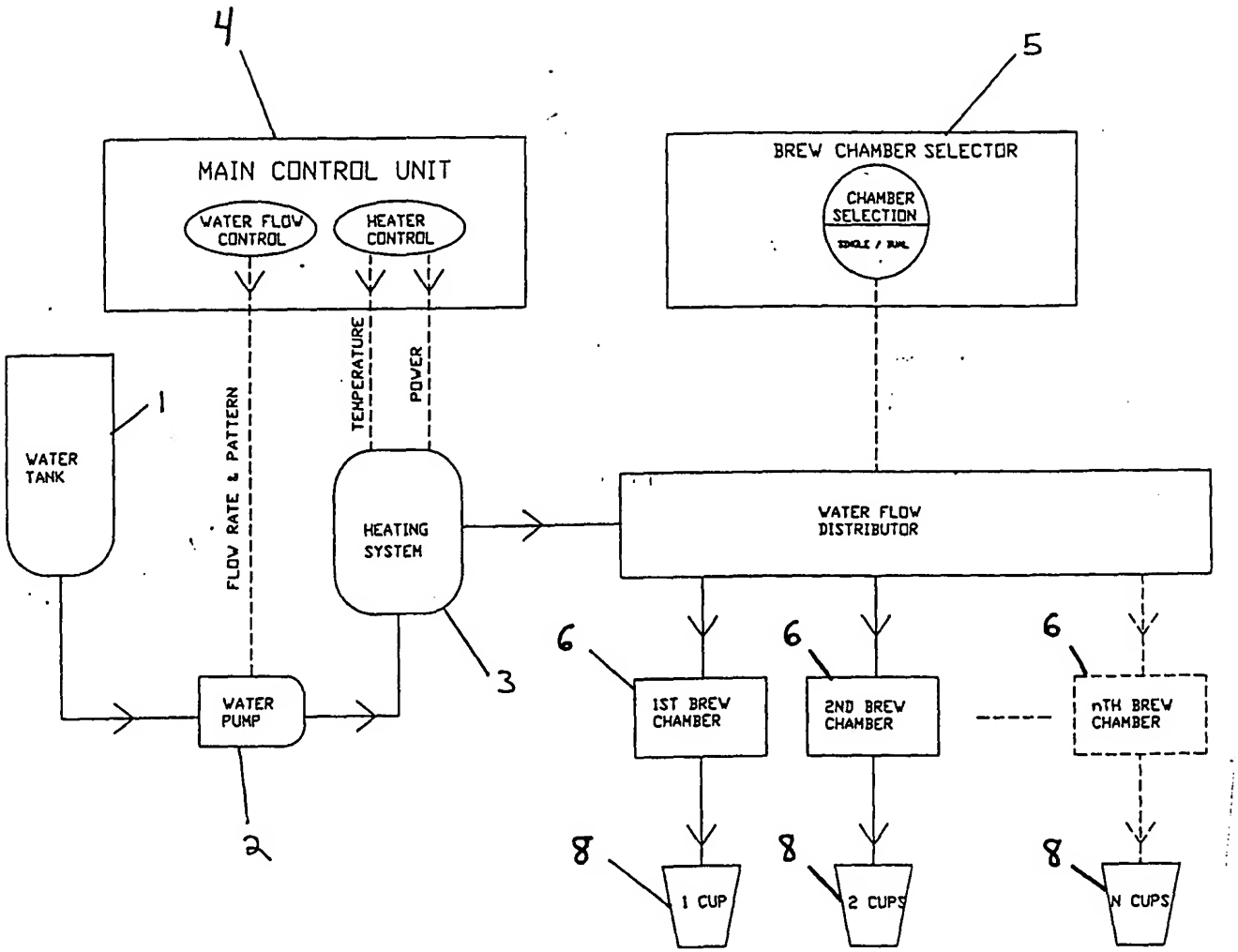

4
MAIN CONTROL UNIT
WATER FLOW CONTROL
HEATER CONTROL
5
BREW CHAMBER SELECTOR
CHAMBER SELECTION
WATER TANK
1
FLOW RATE & PATTERN
TEMPERATURE
POWER
HEATING SYSTEM
WATER FLOW DISTRIBUTOR
WATER PUMP
2
3
6
1ST BREW CHAMBER
2ND BREW CHAMBER
nTH BREW CHAMBER
8
1 CUP
2 CUPS
N CUPS

FIGURE 5

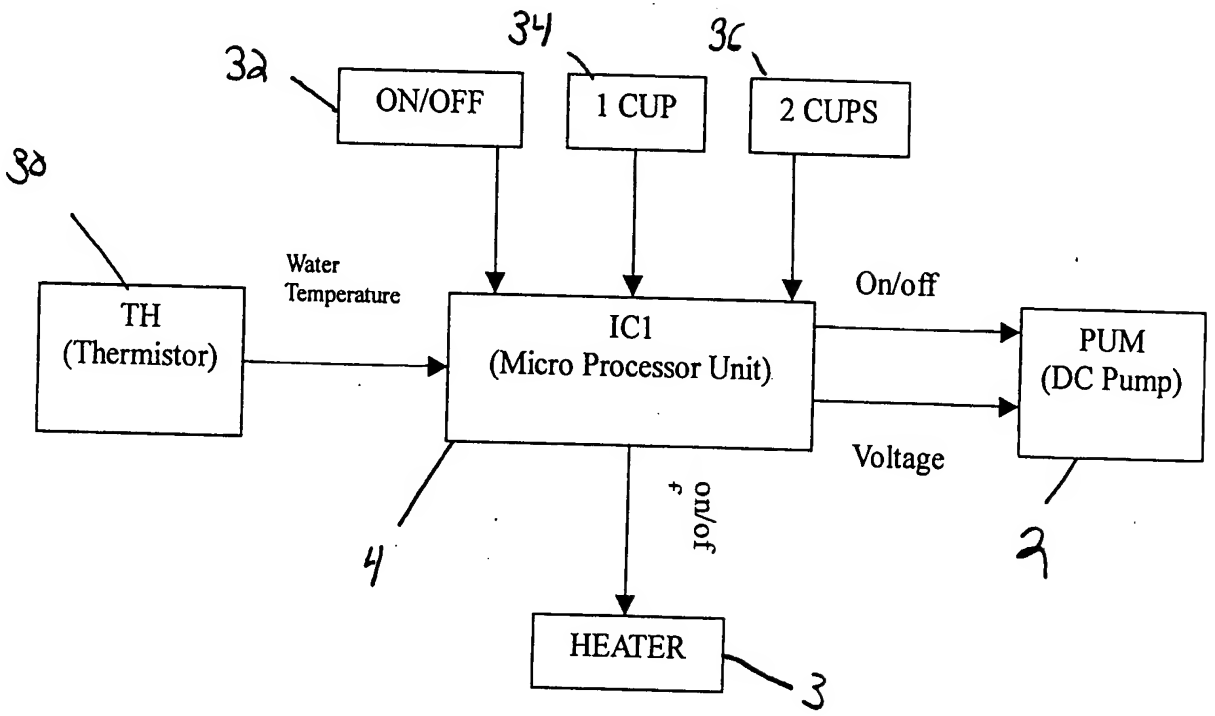

32
ON/OFF
34
1 CUP
36
2 CUPS
38
TH
(Thermistor)
Water
Temperature
IC1
(Micro Processor Unit)
On/off
Voltage
PUM
(DC Pump)
4
on/off
HEATER
3
2

FIGURE 6

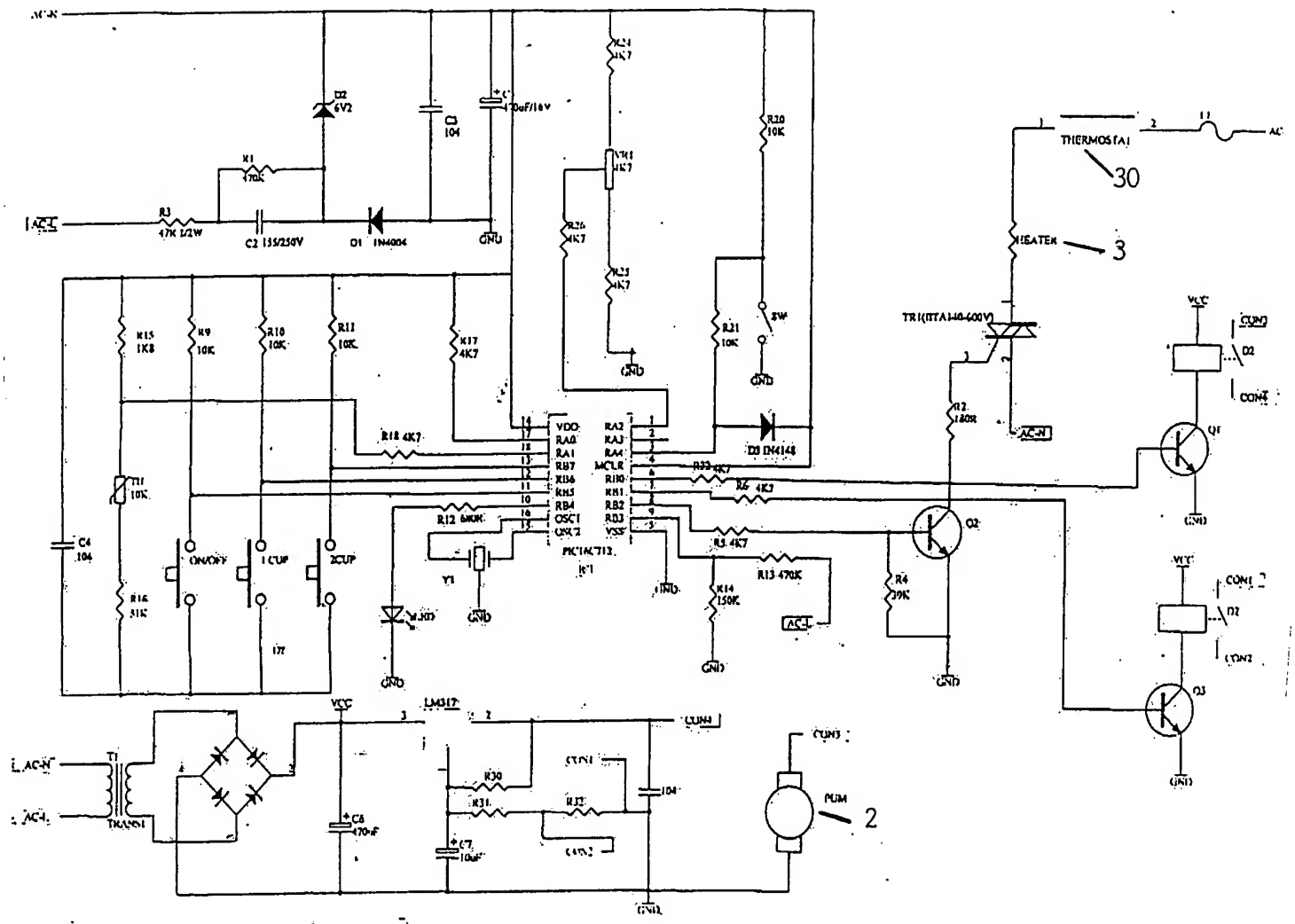

THERMOSTAT
30
HEATER
3
PUM
2
ON/OFF
1 CUP
2CUP
PIC16C712
LM317
TRANS1
Y1
D2
6V2
D1 IN4004
D3 IN4148
C2 155/250V
470uF/16V
R18 4K7
R12 6MUK
R13 470K
R14 150K
R4 39K
R5 4K7
R6 4K7
R33 4K7
R30
R31
R32
C6 470uF
C7 10uF
C4 104
C5 104
R15 1K8
R9 10K
R10 10K
R11 10K
R17 4K7
R21 10K
R20 10K
R16 51K
R3 47K 1/2W
R1 470K
R2 180R
TR1(BTA140-600V)
Q1
Q2
Q3
D2
D3
D4
GND
VCC
AC-N
AC-L

FIGURE 7

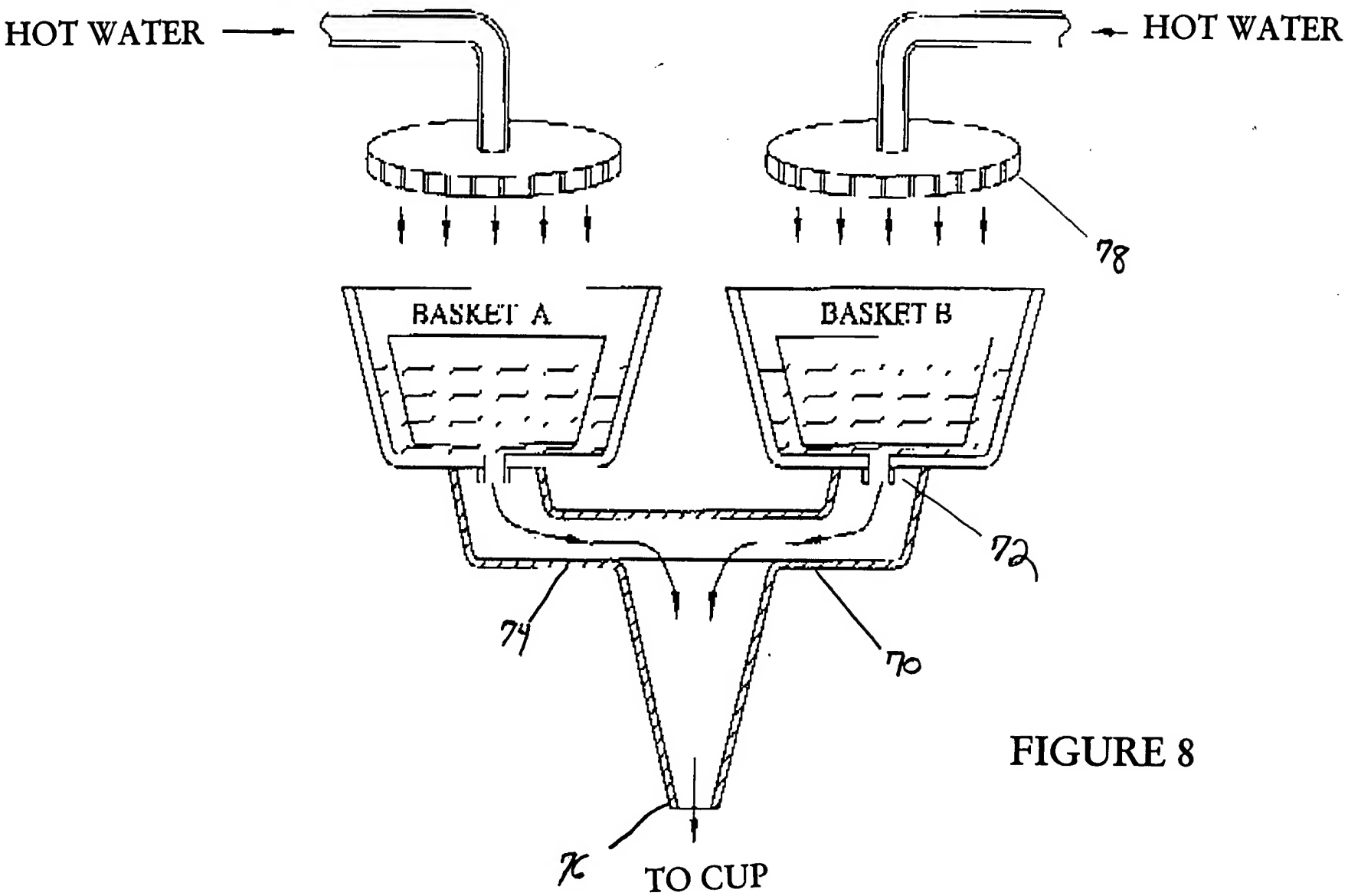


FIGURE 8

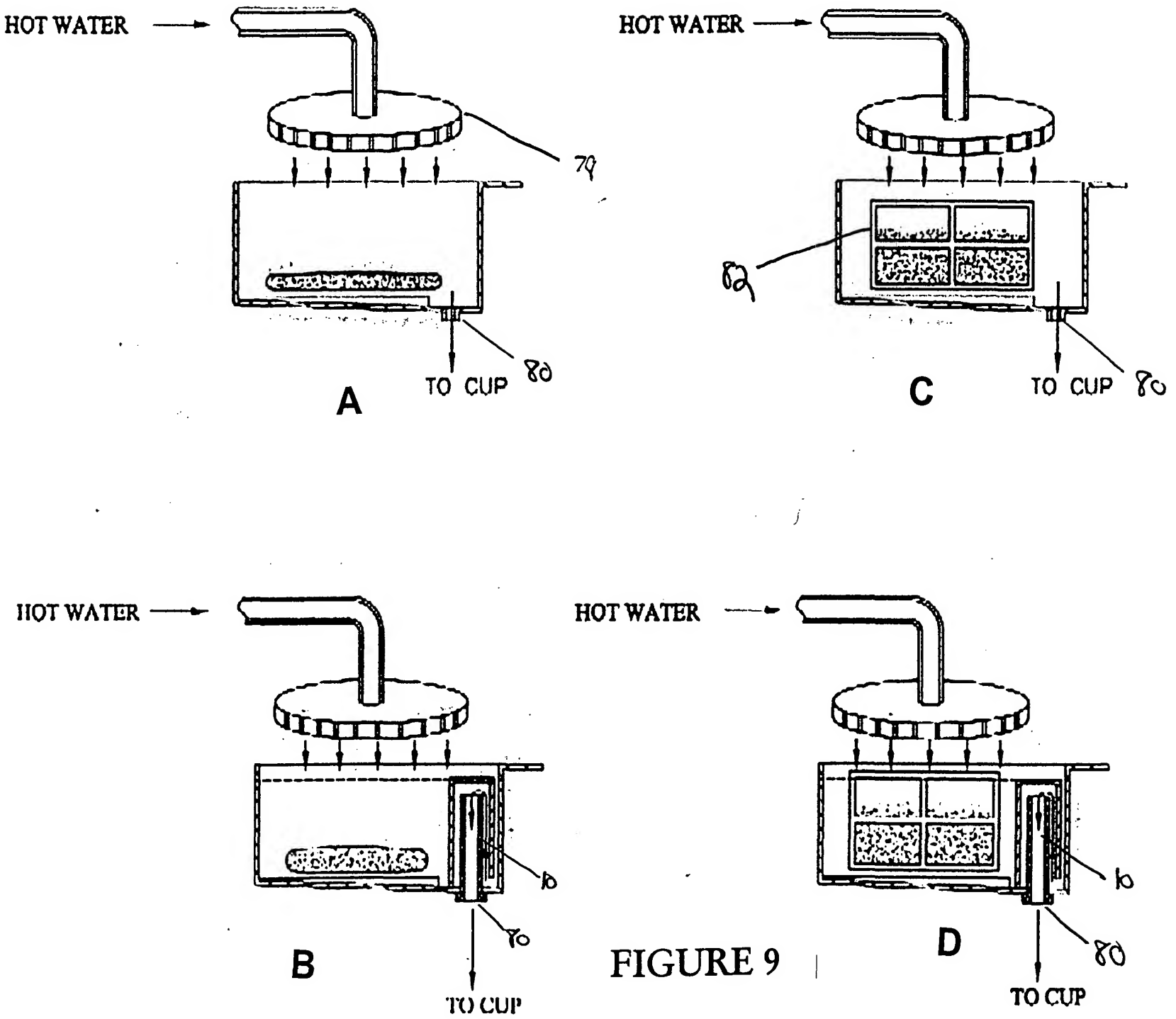

HOT WATER
79
TO CUP
80
A
HOT WATER
82
TO CUP
80
C
HOT WATER
TO CUP
B
HOT WATER
80
TO CUP
D

FIGURE 9

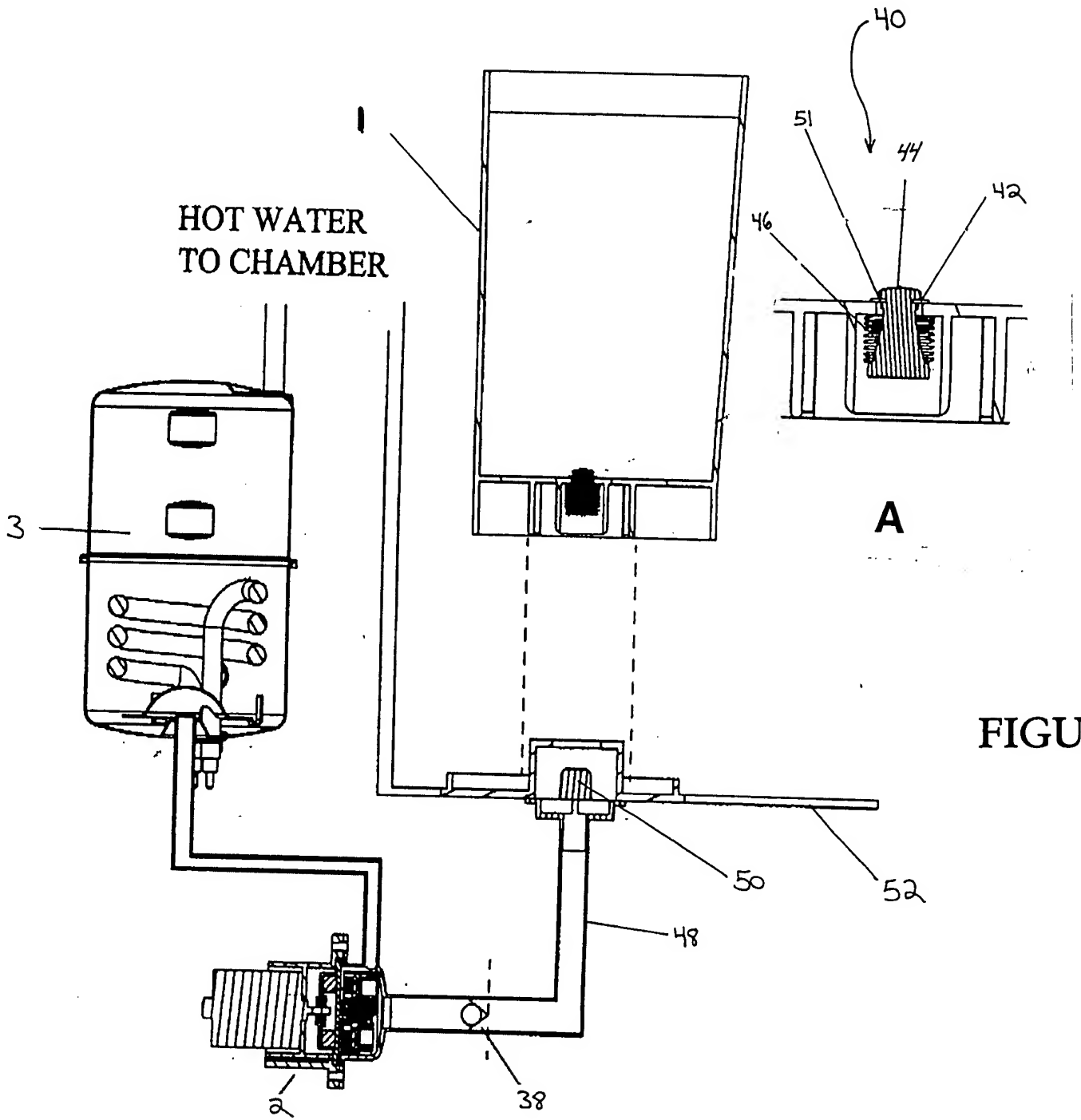
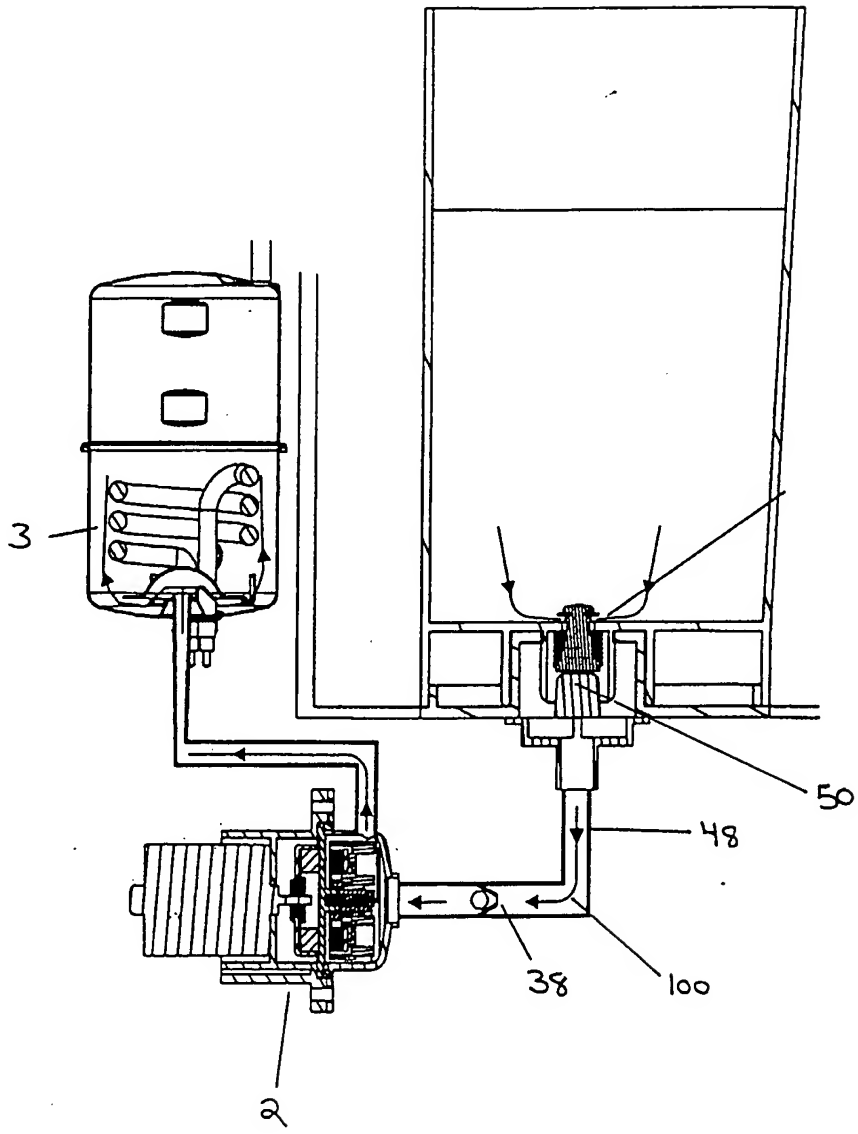


FIGURE 10



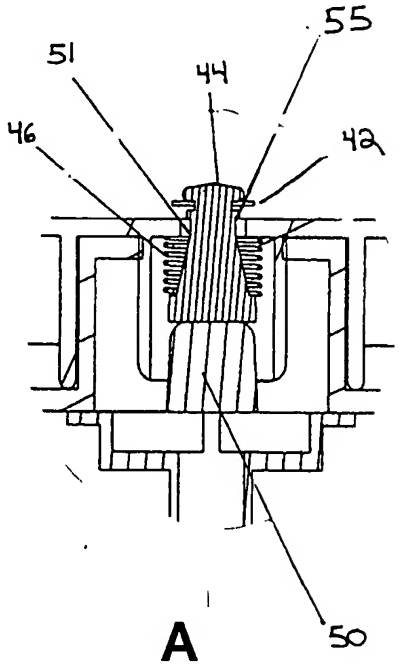
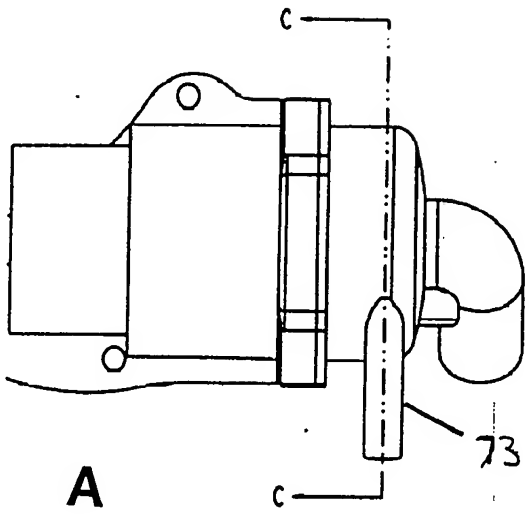
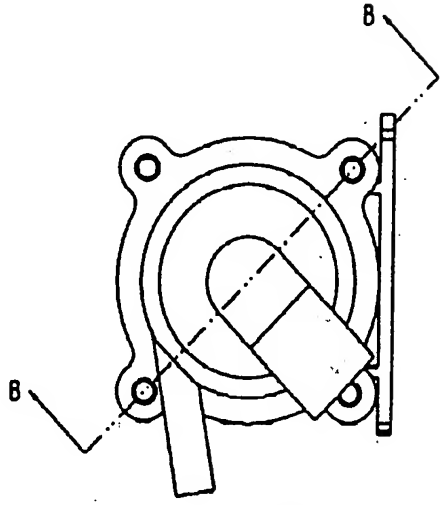


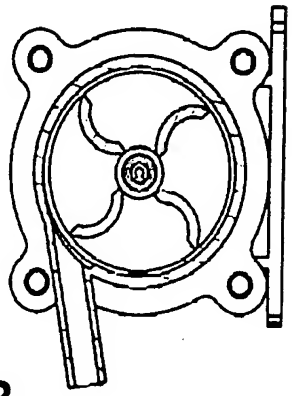
FIGURE 11



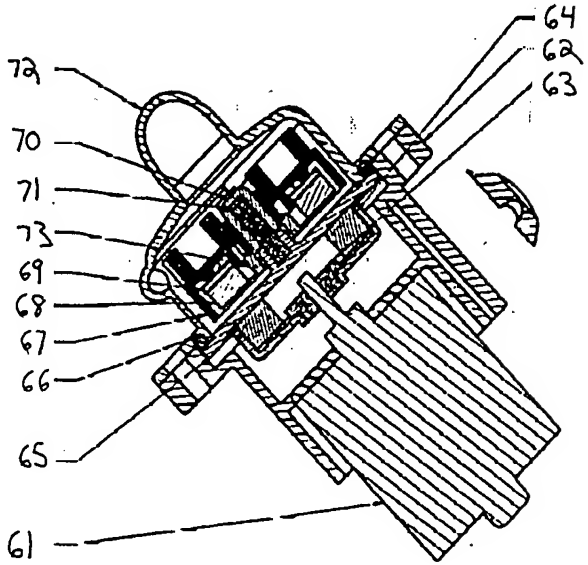
A



C



B



D

FIGURE 12